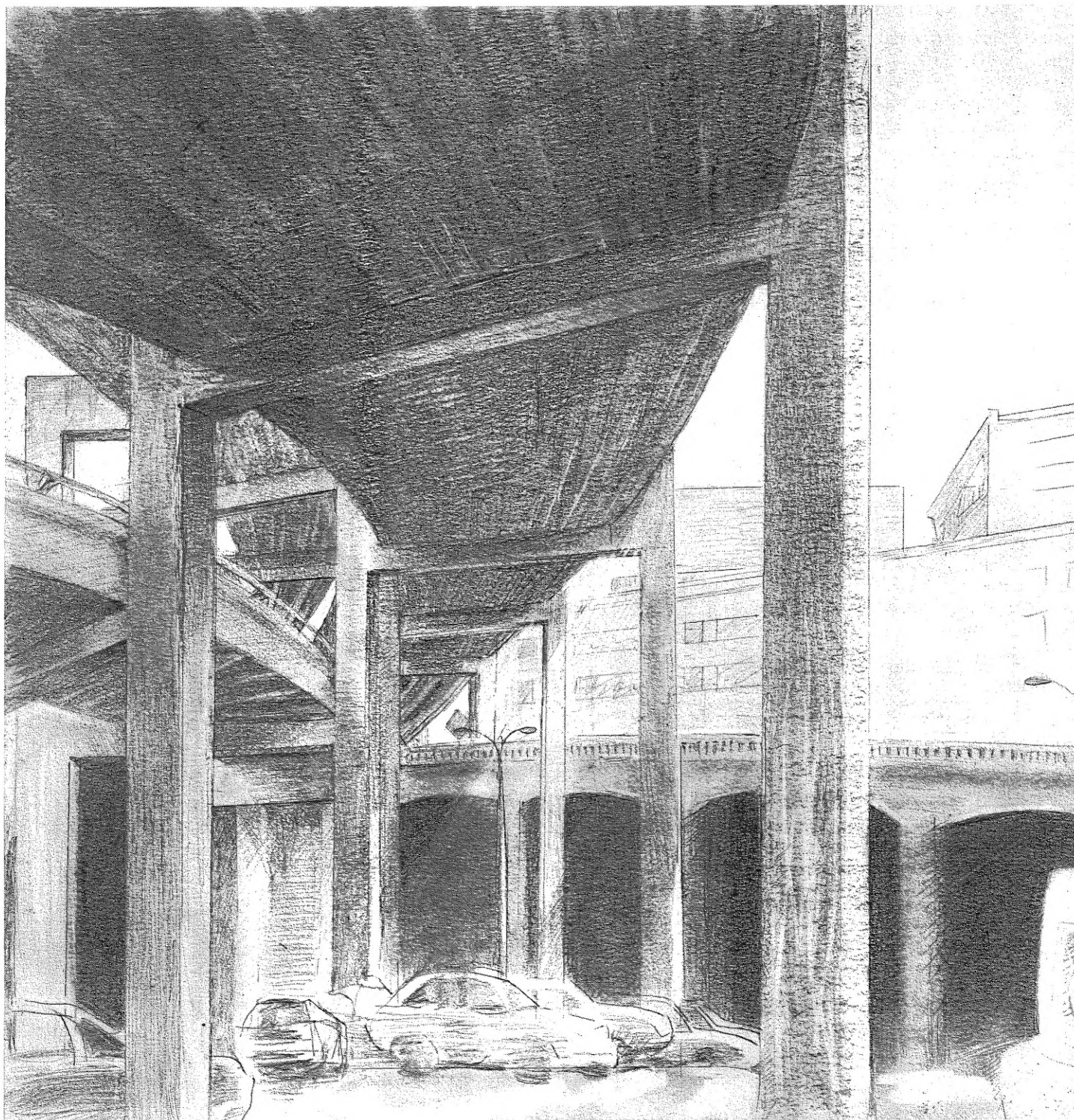


**Artists Using Science and Technology**

Ylem (Eye-lum): The exploding mass out of which the universe emerged in the Big Bang

**Ylem Newsletter**

**Vol.11, No. 9 October 1991**



Drawing of the Embarcadero Freeway, San Francisco, by Trudy Myrrh Reagan



## Ylem Events

### South Bay Chapter Inaugural Meeting

Tuesday, October 15, 8 pm

An informal meeting at the home and studio of Cynthia Kurtz. She encourages you to bring examples of your art or up to six slides to talk about. Also bring edible treats and any Ylemish person you know, including significant others. She lives near IBM in South San Jose at: 5645 Judith, San Jose, 95123; (408) 578-3881

### Ylem Forum: Stretching the Truth

#### Presentations:

Jeff Johnson: "How Testimony Can Be Manipulated." Johnson is chairman of Computer Professionals for Social Responsibility, and works at Hewlett-Packard in human interface design.

Michael Stephanides: "Creating Truth by Making Models." Stephanides is studying medicine at Stanford Medical School, and will speak on work being done in modelling for plastic and reconstructive surgery.

Walter Alter: "Talking Back." Alter, an independent artist and long-time culture critic, will encourage us to kibitz while the TV grinds out its version of the truth.

Glenn Entis: "Morphing Demo." Entis will show the very latest in computer animation magic from Pacific Data Image in Sunnyvale. Entis originally studied art, and is one of the founders of PDI.

*Costumes encouraged!* We didn't have a costume party this year, but disguises fit this theme! Come as your Virtual Reality alter ego, Ollie North, or an ambulatory techno-gadget.

#### In the Lobby:

Eleanor Kent: Knitted Fractals

Daniel Kottke: Programmed LED jewelry

Diane Fenster: Photomontage by computer

Concrete poems on  
this page by Myrrh

INTEGRITY  
TRUTH INTEGRITY  
TRUTH TRUTH  
TRUTH TRUTH

### Ylem Field Trip: NASA-Ames Space Lab and Phscologram Exhibit

Friday, November 15,  
9:30 am—around 1:30 pm

Two-hour walking tour (shorter if it rains). As yet, we have no special access to the virtual reality lab, but we'll see plenty of amazing things, many based on computers! After a picnic lunch we'll visit the new visitor center where Ylem member Ellen Sandor of (Art)<sup>n</sup> will have a show of 3-D phscologram displays created by layering 13 different CAD images onto lenticular plastic that is lit from behind. **November 5** is deadline to reserve a space and receive directions; (and please mention it if you are citizen of another country, as we have to submit a list). Reservations: Trudy Reagan, 967 Moreno, Palo Alto, CA 94303; (415) 856-9593

under Stalin, for instance, school children were handed razor blades in class and instructed to cut out offending passages from history books. Encyclopedias on the shelves of libraries had excised pages. At least people noting their absence could guess what was going on.

Now that our major source of news is TV, some important history may not even make it to hard copy. When Reagan was running for President, a California reporter endeavored to dig up some of the really reactionary pronouncements Reagan had made on the evening news as governor—but the TV stations had long since recycled most of this tape.

Enter the word-processing functions of "find and replace" and "global delete." It is projected that government and credit bureau records, our scholarly journals and much else will no longer be printed but will exist on-line with the capability to be easily updated. Then whose records will we trust? It has been pointed out that individuals may be able to copy and keep whole libraries of information out of harm's way, but they would still be unable to cope with all the manipulated information that a powerful bureaucracy could promulgate.

We could mandate that the original versions of documents of journalistic or academic value be archived differently, on a Laserdisc in a vault, for example. But how enforceable would this protection be?

## Stretching the Truth

by Trudy Myrrh Reagan

The Grey Panthers, an old-age advocacy group, is selling buttons saying "Stop Truth Decay." This struck a nerve. I worry about Truth.

One of the many details about the totalitarian governments in George Orwell's 1984 was that as public figures fell out of favor they disappeared from the public record. I read the book in 1956, when this still sounded futuristic. My professor, himself an refugee from Nazism, said however, "Orwell is not just describing the future: we see here things that have already happened." In the Soviet Union

wisdom is not reality  
reality is not data  
data is not knowledge  
knowledge is not wisdom

## Still-Frame Video Begins This Month

The level of morality and legality are, to a certain extent, shaped by what is possible. Ask yourself: How enforceable is our copyright law on software? It is the ease of copying software as much as our desire to get something for nothing that makes violation of it pervasive.

Photographs are like putty in the grip of software like Photoshop. In court anyone can convince the jury of anything with tainted photos. Or, if photographic evidence is no longer admissible in court, or worse, if everyone simply becomes skeptical, who will believe us when we document serious wrongdoing with a camera?

I worry about our gullibility for big lies. The Gulf War showed how TV can be controlled to sanitize major segments of reality. It was *engrossing* entertainment. Never mind that the oil and country we were sent to save are at this moment going up in smoke. I'm afraid these consequences of the war won't penetrate our collective skulls to provide feedback for the next crisis. Feedback helps us know when to use the brakes, how to be wise. It was partly glowing but untrue, erroneous statistics that caused the Soviet economy to lose its bearings and collapse.

Commercial interests begin to twist our natural impulse to believe when we are each quite small. How TV special effects are done for commercials *ought* to be the common knowledge and delight of kids, including the fact that number-magic creates all those seamless, superclean, computer-synthesized animations. Respect for truth, not just on the level of "Don't lie to mother" has to start early, but how many of us discuss this while we watch TV with the kids?

Of course, George Orwell didn't anticipate computers, recording devices and telecommunications such as FAX in the hands of the multitudes. Messages from them penetrated China during the pro-democracy movement. It made the collapse of the Soviet empire and also the attempted coup in the USSR much easier. Now Washington is awash in

*Continued on page 7*

by **Trudy Myrrh Reagan**

Theodore Nelson, author of the just-published *Cornucopia and Cybercrud*, was talking years ago about instant publishing by computer. He foresaw great streams of information flowing back and forth by electronic mail for commercial reasons during the day. In the wee hours, however, scholars would have cheap access to send and receive whole books on-line, books hot out of the word processor and not delayed by the lengthy procedure of finding a publisher. One had a ridiculous mental picture of literati nerds reading, not riding, the all-night Red-eye Special, and spending the day in bed. Even so, a writer finds appealing the prospect of quickly publishing one's foretelling of a world in which artists use computers before it actually happens. It also saves the forests to make the paper and the oil to operate vehicles to distribute the books.

Invented in 1982, still-frame video makes its public debut October 1st. Using the airwaves rather than phone lines, text is broadcast to your TV set at odd hours, recorded onto videotape by your VCR as you sleep, to be read at your convenience in the daytime. (At a rate of 300 pages a minute, the average person can't possibly read it as it is being broadcast.) You will read your TV screen page by page off using the pause and frame-advance buttons on the VCR, hence the name, still-frame video. Recording on Super VHS with a newer TV and four-head VCR will assure the best reception. But part of the beauty of this scheme is that it is not dependent on a computer or fax machine: it can be used by almost anyone. Nor does one need to learn how to access a computer system to receive. For the publisher, the production tools are simple as well: a Macintosh computer and the usual desktop publishing software.

The inauguration of this service in the Western US will be a broadcast lasting less than a minute sometime between 1:56 and 2 am on October 1st on KOFY Channel 20 in San Francisco,

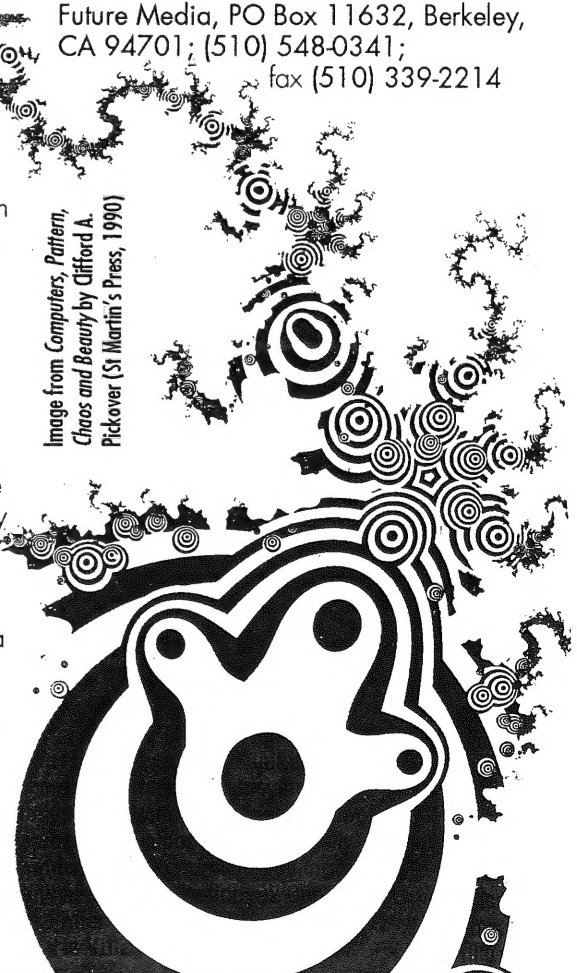
and KTTS Channel 10 in Phoenix. To receive this "magazine" you may set your VCR to record at that time before you go to bed. If you miss it, the same "zine" will be transmitted every night until November 30, when a new 275-page "edition" will appear.

The first edition on multimedia includes "Life on a Slice," the interactive work by Ylem President Beverly Reiser, member Marjorie Franklin and others. (It was described in the "Art at SIGGRAPH '91" article, last issue.)

This enterprise is the brainchild of Taylor Bancroft, Future Media - StillFrame Bureau, of Berkeley, CA. The service, of course, sells advertising. But he also offers free airtime to artists on a commission basis. If the art sells through his 800 number the artist pays a small commission. Knowledge of the service depends on old-fashioned word-of-mouth, so help spread the word!

Future Media, PO Box 11632, Berkeley, CA 94701; (510) 548-0341; fax (510) 339-2214

Image from *Computers, Pattern, Chaos and Beauty* by Clifford A. Pickover (St Martin's Press, 1990)





# YLEM

# CALENDAR

## Events

**October 1 (and nightly thereafter), 1:56-2 am**  
**Inaugural Broadcast of Still-Frame Video**  
 A new information medium that anyone with a VCR can receive! See article page 3 for details.

**October 1, 11:45 am**  
**The Buckeyball Phenomenon**  
 Luncheon lecture by Donald C. Lorents, Scientific Director, SRI Int'l. to the Technology and Society Committee will treat the new carbon cage molecule, C<sub>60</sub>, Buckminsterfullerene. **The Lotus Garden, 210 Hope St., Mountain View; Bob Kirby, (415) 969-7215** evenings

**October 10, 6-8 pm**  
**Meet Authors of Two Science Experiment Books**  
*Science Explorabook* and *Exploratorium Science Snackbook* make their debut. Authors and some activities from the books available for questioning and probing. **The Exploratorium, 3601 Lyon St., San Francisco, CA 94123; mail orders: 1-800-359-9899**

**October 14-16**  
**ICHIM '91 (Pittsburgh, PA)**  
 International Conference on Hypermedia and Interactivity in Museums (ICHIM) showcases recent work and covers technical, legal, and economic issues in this area. Info: **Archives & Museum Informatics, PO Box 81132, Pittsburgh, PA 15217**

**October 14-19**  
**Arts to the Screen**  
 Local cable Channel 6 in Palo Alto will feature a special week of programming to show how visual and performing artists around the country have utilized public access television. (Also see *Opportunities*). Info: **Elliot Margolies, Mid-Peninsula Access Corporation, 3200 Park Blvd, Palo Alto, CA 94306; (415) 494-8686**

**October 15, 11:45 am**  
**Cost Effective Photovoltaics**  
 Luncheon lecture by Neil Kaminar, President of Engineering at Solar Engineering Applications Corp., will treat new advances in solar energy. **The Lotus Garden, 210 Hope St., Mountain View; Bob Kirby, (415) 969-7215** evenings

**October 16, 8 pm**  
**Ylem South Bay Chapter Meeting**  
 Please see page 2 for details.

**November 6, 8 pm**  
**Ylem Forum: Stretching the Truth**  
 Truth in the electronic age, with tools that either reveal or conceal realities. (Details on page 2.)

**November 15, 9:30-1:30**  
**Ylem NASA Tour**, Please see page 2 for details.

*Is your exhibit or event listed here? We would like to list all items involving Ylem members! Send notices to Ylem Editor, 967 Moreno Ave, Palo Alto, CA 94303*

All events and exhibits occur in San Francisco Bay Area except where noted.

**November 15-17**  
**CyberArts International Conference (Pasadena, CA)**  
 Talks, classes, equipment expo, demos, performances covering virtual reality, interactive art, moving holography, new tools for digital sound and image processing, graphic design, and fine arts. \$450, 3 days; \$165, one day; \$25, exhibits; \$25, eve. performances. Conference site: **The Pasadena Center, Pasadena, CA; Reservations: Cyberarts Int'l, 20085 Stevens Creek Blvd., Cupertino, CA 95014; fax (408) 446-1088**

**November 17-20**  
**The New Tools (New York)**  
 Computer graphics for design, to be held at the Grand Hyatt Hotel in New York City. Depending on the number of seminars one attends, fees range from \$135 to \$795 (all 10 seminars). Features newest tools, how to run the electronic design office. Info: **Center for Computer Graphics Design, 45 Stephenson Terrace, Briarcliff Manor, NY 10510; (914) 741-2850; fax (914) 741-2853**

**September 21-25, 1992**  
**TISEA (Sydney, Australia)**  
 Third International Symposium on the Electronic Arts to be held "Down Under" a year from now. The previous ones, held in The Netherlands, were exciting. Info: **Australian Network for Art and Technology, PO Box 8029, Hindle St., Adelaide, South**

## Exhibits

**October 3-28**  
**Paynescapes (Portland, OR)**  
 1991 computer art works by Lawrence Payne. The computer images in this show are unique, interpreting society and the individual and how their energies do or do not work together. Landscapes and cityscapes in custom-printed Fujichrome prints. Reception: **Oct. 3, 5-9 pm. Powell's Technical Bookstore, 33 NW Park Ave., Portland, OR 97209; Info: Daria, (503) 640-0525**

**Through October 6**  
**Computer Generation: Animation and Mixed Media (Warwick, RI)**  
 Computer art exhibit includes Ylem members Lane Hall, Troy Innocent, Robert Martin, Joan Truckenbrod and Anna Ursyn. **Warwick Museum, 3259 Post Rd., Warwick, RI; (401) 739-0010**

**October 10 - November 17**  
**ARTEC '91 (Nagoya, Japan)**  
 The Council for the Int'l Biennale in Nagoya, c/o The Chunichi Shimbun 1-6-1 Sannomaru, Naka-ku, Nagoya, 460-11 Japan

*Some calendar items reprinted from Art Calendar (the monthly marketing and career management journal for artists, PO Box 1040, Great Falls, VA 22066, Subscr. \$29/yr.), from Artweek, Video Networks 6&7/91 (from BAVC, San Francisco), and FineArts Forum e-mail.*

**September 23 - October 11**  
**Interface: Art and Computer (New York City)**  
 This computer art show makes a strong statement about the interaction of new tools and personal expressions. Includes Ylem artist Daria Barclay. **Park Avenue Atrium Gallery, New York, NY**

**Through October 12**  
**Space Art, The New Frontier (Chicago)**  
 Cosmic paintings by Dave Archer. **Brandywine Fantasy Gallery, 750 N. Orleans, Chicago, IL 60610; (312) 951-8466**

**Through October 31**  
**NASA Works by Myrrh**  
 Trudy Myrrh Reagan shows her NASA works (Not Actually Scientific Achievements) that appear to be scenes of the earth from space. Paintings made from crumpled paper, some computer-enhanced. **University Union 3rd floor, Cal State Hayward, Hayward, CA 94542; (510) 881-4158**

**Through November 16**  
**InterFace: Art and Computer (New York City)**  
 Includes Ylem members Daria Barclay and Erol Otus. **Park Avenue Atrium, 237 Park Ave. (at 46th St.), NY, NY; (212) 850-9786**

## Opportunities

**Deadline October 1**  
**Photonominal '92**  
 Photo show to include the latest in technologically generated imagery. No entry fee, send up to 10 entries. Catalog. For PROS send SASE: **Forum Gallery, Jamestown Comm. College, 525 Falconer St., Jamestown, NY 14701; (716) 665-9107**

**Deadline October 1**  
**International Textile and Apparel Association Conference**  
 Textile designers are using computers in a big way now. 600 members of ITAA will meet in San Francisco's Meridien Hotel **Oct. 31-Nov. 4**. Much of it will be about CAD. Tables are available (\$100, \$50) to display computer products useful to textile designers. New members to ITAA also welcome. Contact: **Joan Chandler, Textiles and Clothing, UC Davis, Davis, CA; (916) 752-2282**

**Deadline October 4**  
**Altered Images**  
 Open to artists in DC, DE, MD, NC, NJ, NY, PA, VA, WV. Photography: "all alternative processes." No entry fee. PROS: **Arts Div., Maryland-National Capitol Park & Planning Commission, 6611 Kenilworth Ave. #215, Riverdale, MD 20737; (301) 864-4788**

"Rain, Champs Elysées, 1985" photograph by Kenneth Snelson





## Opportunities, *continued*

*Deadline October 11*

### **Visions in Space**

2- and 3-D wall pieces (no photography) that are interpretations of flight and space. Sizes: min., 12 X 16", max., 36 X 48". Show at Fiske Planetarium. PROS: **Mountainside Art Guild, Barbara Tobiska, 31 S. Holland, Lakewood, CO 80226; (303) 233-0227**

*Deadline October 15*

### **National Endowment for the Arts**

Artist/Designer Collaboration Grants, Art in Public Places. **Design Arts, NEA, 1100 Pennsylvania Ave. NW, Washington, DC 20506; (202) 682-0227**

*Deadline October 18*

### **New York Foundation for the Arts**

Open to NY residents working in performance art and emergent forms. **Artists' Fellowships, NY Foundation for the Arts, 5 Beekman St. #600, NY, NY 10038; (212) 233-3900**

*Deadline October 18*

### **First National Vague Art Invitational**

Open to US artists. All media. "Work will be selected...on the basis of quality, originality and vagueness." **Eleven East Ashland, Phoenix, AZ 85004; (602) 271-0831**

*Deadline October 30*

### **Montage '93: International Festival of the Image**

Reviewing proposals from film/video makers, artists and curators. Projects being considered: exhibitions, lectures/symposia, and commissions of new work. Proposals should be about new technology and imaging systems: photo, video, film, computers, lasers, holography, image transmission, computer art, etc. Significant funding available. **Susan Cohen, Montage '93 Inc., 31 Prince St., Rochester, NY 14607; (716) 442-8898; fax (716) 442-8931**

*Deadline October 31*

### **Pre-Miere Award for Electronic Applications in Print**

For pieces produced 8/1/90 to 9/30/91. Any publication from magazines to stationary done entirely on an electronic design system, incl. illus. and type, and output as finished artwork. (4-color work may be done conventionally). Award winners to be featured in coming issue of *Pre-* and at Print Production '92 Conference. PROS: **Pre-Miere Awards, 8340 Mission Rd. #106, Prairie Village, KS 66206**

*Deadline November 1*

### **Computer Art in National Art Directory**

Entries sought for the *Seventh Edition of Encyclopedia of Living Artists in America*, the first one to have a section dedicated to computer fine art. Ylem member Daria Barclay is helping with this. ArtNetwork, publishers of *The Encyclopedia* and other information for artists, is a six-year-old company formerly called Directors Guild. It is now offering art career guidance as well as a 900 number for the latest information in grants, scholarships, new galleries, art agents seeking works. Info: **ArtNetwork, PO Box 369, Renaissance, CA 95962; 1-900-990-7011 ext. 1020**

### **Thomas A. Edison Black Maria Film/Video Festival**

The festival advances the art of film, video and computer image making, and provides exhibition and support opportunities to independents. Festival date: **Jan 15 - early May**. Info: **Edison Black Maria Film/Video Fest., Media Arts Dept, Jersey City State College, 203 West Side Ave., Jersey City, NJ 07305; (201) 547-2043**

*Deadline November 6*

### **Pattern, Pattern, Pattern**

\$1525 cash awards. Open to US artists. Artworks "exploring the rhythm and beauty of pattern." \$7 per slide, max. 3. For PROS: **Mesa Arts Center, PO Box 1466, Mesa, AZ 85211; (602) 644-2242**

*Deadline Open*

### **San Jose State University Visual Artists**

Juried. Media: film and video in VHS, video 8 or 16 mm format. Info: send SASE to: **Visual Arts, San Jose State University, Films Director—ASPB, Student Union #350, San Jose, CA 95192**

Computer art by Craig Cassin

### **Book on Biological Patterns Needs Submissions**

Ylem member Clifford Pickover, editor of forthcoming book called *The Visual Display of Biological Information*, seeks short, illustrated manuscripts. Emphasis will be on the graphic representation of information-containing sequences in biology (e.g. DNA, amino acids) in order to help the human analyst find interesting patterns. Seeks broad range of topics. Dr. **Clifford Pickover, IBM Watson Research Lab, Yorktown Heights, NY; clff@yktvmv.ibm**

## Needs and Offerings

### **SIGGRAPH Educators' Newsletter**

Editor is Jaquelyn Ford Morie of University of Central Florida. Report what your school is doing with computers, send announcements, stories and interesting art to share with colleagues. Formats: any Mac format, ASCII files on IBM compatibles, even thoughts on paper! Free bi-monthly. **SIGGRAPH Educators' Newsletter, J. F. Morie, 321 Elkhorn Ct., Winter Park, FL 32792; work, (407) 658-5074, evenings (407) 678-0630; fax (407) 658-5059**

### **E.A.T. Alumni**

Carl Machover is interested to contact other "alumni" of E.A.T. (Experiments in Art, Science, and Technology, a hot group in New York and also later Los Angeles in the late '60s). Send info to: **Machover Associates, 199 Main St., White Plains, NY 10601; (914) 949-3777**

### **Ylem E-mail Messages**

Eleanor Kent can post messages on the WELL, an electronic bulletin board, for Ylem members who are not on-line, and receive messages directed to Ylem president or newsletter editor. **E. Kent, 544 Hill St., San Francisco, CA 94114; (415) 647-8503; ekent@well.sf.ca.us**

### **21st Century Odyssey**

In conjunction with the "Biosphere 2" project, performance artist Barbara T. Smith will embark on a world odyssey which will result in four to five performances and a collaborative artwork with Biosphere 2's Medical Officer, Dr. Roy L. Walford. (As of press time we are unsure if Biosphere 2 will proceed as planned. Walford and other scientists were to be confined inside a 3 1/2 acre site in Arizona in a 2-year experiment beginning in September.) During the planned duration of the experiment, Smith will circle the globe for 18 months, visiting 25 countries. In constant media communication with Walford via telephone, computer and videophone, Smith will visit urban and rural centers to explore issues of technological and global survival through community structure. Meanwhile, Walford will be processing his inner, internal dialogue through writing, poetry and artworks. Simultaneously and electronically connected throughout this entire experience, the two will create media documentation and journals to be used in the performances and future exhibitions. The myth and metaphor of pilgrimages and quests, i.e. the tale of Penelope and Odysseus, will play a major role in many of these art works. Smith and Walford will be assisted by Electronic Cafe International of Santa Monica, CA., where their dialogue will be displayed and permanently archived. Donations welcomed! Info: **Barbara T. Smith, 21st Century Odyssey, 801 Coeur D'Alane Ave. Venice, CA 90291**

## Ylem Briefs

*Stretching Truth, continued from page 3*

### Join the International Sculpture Center

Receive *Sculpture* magazine, reduced rates for international sculpture conferences, registry on Sculpture Source (a computerized artist registry), reduced rates to technical workshops, health and fine arts insurance and savings on art magazines and supplies. \$40 per year, \$49 overseas. **ISC, 1050 Potomac St. NW, Washington, DC 20007; (202) 965-6066**

### Watercolor & Practical Color Use

Individual instruction, drop in or make appointment, Fridays 9 to 12, or 1 to 4. Given by Ylem member Tom Lechleiter at **Barrett Community Center, 1835 Belburn Dr., Studio C, Belmont, CA 94002; Tom Lechleiter, (415) 345-8775**

### Holography Institute

This center of holography instruction and design has moved to San Francisco. Call for tour appointment. The non-profit Laser Arts Society for Education and Research is also located here. It is eager for articles and illustrations by laser artists for the *L.A.S.E.R. News*. Info: **Jeff Murray, Holography Institute, PO Box 24153, San Francisco, CA 94124; (415) 822-7123**

Detail from  
"Life On A Slice,"  
interactive installation  
on the Amiga by  
Beverly and Hans  
Reiser, Bill Fleming,  
and Marjorie Franklin



### Computers, Science and Art Gift Catalog

Get ready for holiday giving! Catalog by Ylem member Michael Strasmich features Fractal and chaos videos, all kinds of materials about scientific visualization, virtual reality, computer graphics, photos from space, and much more! **Media Magic, PO Box 507, Nicasio, CA 94946; 1-800-882-8284**

### Computers and Privacy

A controversial conference on this subject was organized last March by Jim Warren, founder of the West Coast Computer Faire. It was attended by a gamut of people, from convicted crackers and phone phreaks to personnel from the top-secret National Security Agency. Now, printed proceedings, video tapes and audio cassettes are available. Info: **Computer Professionals for Social Responsibility, PO Box 717, Palo Alto, CA 94302; (415) 322-3778; cpsr-staff@csli.stanford.edu**

"Where Electronics and Art Converge" was the lead story in the business section of the *New York Times*, Sunday, September 15. The two pages devoted to the subject focused on the San Francisco Bay Area. Two smaller stories were of interest to our members. A quote from the first, "The New Hollywood," read, "New York is the marketplace, but it's no longer the frontier where this [high-tech art] is being produced," said Beverly Reiser, a computer artist in Orinda [sic], Calif., who is president of YLEM, a group of artists who use technology." In the second, "The Art World Turns Up Its Nose," mentioned Roger Malina of the journal *Leonardo*.

Nance Paternoster is showing seven works at the Center for Extreme Ultraviolet Astrophysics in Berkeley, CA ... "Life on a Slice," the interactive work involving Ylem members Bev Reiser and Marjorie Franklin, will appear in the

interlocking scandals that only were hinted at during Iran-Contra: BCCI, the Noriega trial and the October Surprise. In this country, fortunately, the authorities don't have a stranglehold on information. Even C-Span shows some pretty remarkable testimony. Moreover, a yeasty brew of alternative news sources about them is circulating by junk mail, video house parties and e-mail. It will be those ordinary people not yet paralyzed with cynicism who will prod the congressmen of both parties (for both are implicated) to gallop one step ahead of the paper shredders and uncover the truth.

In "Truth and Politics" (*The New Yorker*, 2/25/67) Elizabeth Drew wrote, "The experience of a trembling, wobbling motion of everything we rely on for our sense of direction and reality is among the most common and most vivid experiences of men under totalitarian rule." But Vaclav Havel, now president of Czechoslovakia, said in his book, *Living in Truth*: "The crust presented by the life of lies is made of strange stuff. As long as it seals off hermetically the entire society, it appears to be made of stone. But the moment someone breaks through in one place, when one person cries out, 'The emperor is naked!'—when a single person brakes the rules of the game, thus exposing it as a game—everything suddenly appears in another light and the whole crust seems then to be made of a tissue on the point of tearing and disintegrating uncontrollably." Environmental degradation was one issue that could not be papered over with lies. Unfortunately, the commissars were dealing with laws of nature. Even in this country, politicians bargain about environmental problems (including wars) as if they were trading baseball cards. "It's not nice to fool Mother Nature." She may yet zap us for this.

We're lucky to still learn and speak without fear, but unless each of us manifests our concern about truth an entertaining web of falsehood may poison us all like unattended toxic waste.

next issue of *Verbum* ... The Museum of Science and Industry in Chicago will soon have a large cosmic painting by Dave Archer on permanent display, together with photographs of him painting with over one million volts of electricity. Archer's work has been featured often on *Star Trek*. Look for several new ones in the movie, *Star Trek VI*, as well as in a travelling science education exhibit, "Star Trek: Federation Science" opening at OMSI in Portland, OR and travelling to many US cities in the next 5 years. Archer writes: "7-Eleven stores are featuring my work on their *Star Trek: The Next Generation* Big Gulp Slurpee cup as well as other in-store displays—does this mean I've made it?"

Please send a  
**membership  
application** and  
sample newsletter to  
(me) (my friends) at:

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

☐ Sample issue &  
application only (free) ☐ I enclose \$\_\_\_\_\_ for membership (see above)

**Yearly membership rates:**

U.S. Individual **\$30**

U.S. Institution **\$45**

U.S. Student or Senior **\$20**

Canada/Mexico add **5 US\$** to U.S. rates; all  
other countries add **15 US\$** to U.S. rates.

Membership includes 12 issues of the *Ylem  
Newsletter* & listing in the *Artists Using  
Science and Technology Directory* which  
you will receive in the Autumn.

**MAILING LABELS  
OF YLEM MEMBERS**

(about 250 artists &  
art enthusiasts) are  
available to Ylem  
members for \$20.

Info: Fred Stitt,  
(415) 254-0639;  
or send \$20 with  
your request to  
address below.

**Ylem** is a non-profit, networking organization.

President  
Beverly Reiser

Vice-President  
Trudy Myrrh Reagan

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Fred Stitt

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graphic design: Russell Reagan

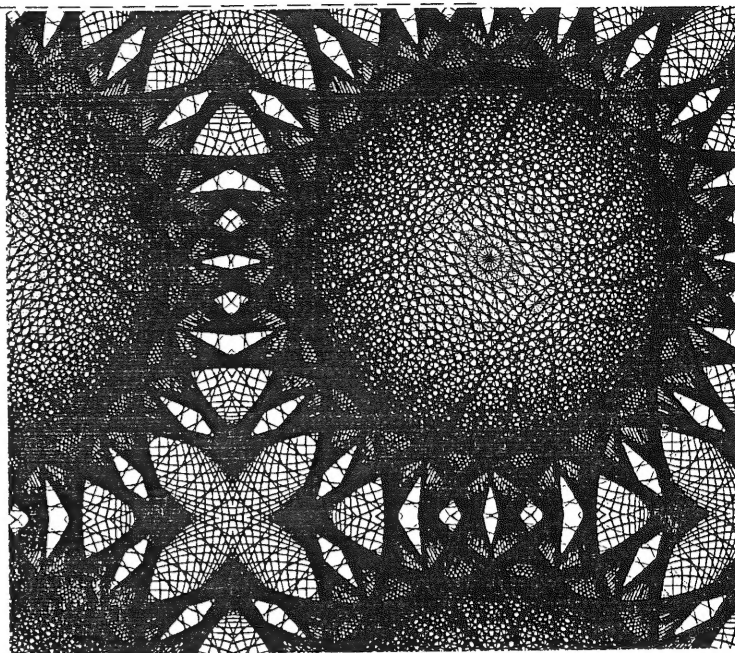
**Forums**

Trudy Myrrh Reagan

Louis M. Brill

Larry Shaw

Computer art by Craig Cassin



**YLEM**

**Artists Using Science and Technology**

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